

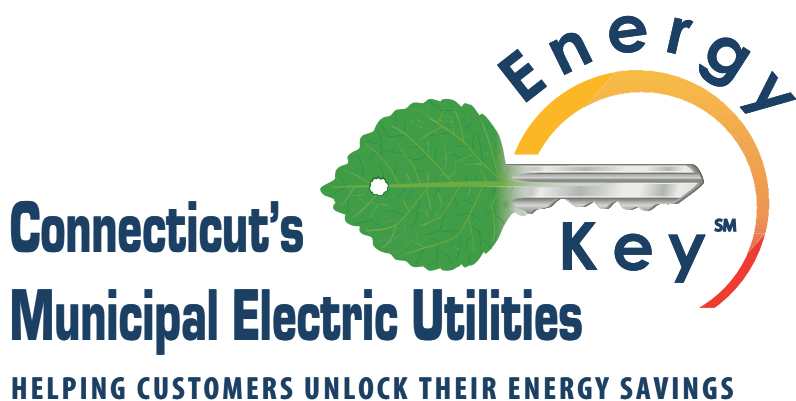


ENERGY EFFICIENCY SERVICES

# 2009-2010 PLAN

**PREPARED FOR:**

Energy Conservation Management  
Board (ECMB)



June 2009

	Page
<b>Discussion .....</b>	<b>3</b>
<b>1. Executive Summary .....</b>	<b>3</b>
<b>2. Residential Programs .....</b>	<b>5</b>
2.1 Home Energy Savings .....	5
2.2 Low Income Customers.....	5
2.3 New Residential Construction .....	6
2.4 Appliances.....	6
2.5 Lighting.....	7
<b>3. Commercial &amp; Industrial Programs.....</b>	<b>8</b>
3.1 Existing Facility Retrofit .....	8
3.2 New Construction.....	8
3.3 Equipment Replacement ~ Prescriptive.....	9
3.4 Equipment Replacement ~ Custom .....	9
3.5 For Small Businesses.....	9
<b>4. Other Customer Initiatives .....</b>	<b>10</b>
4.1 Energy Efficiency Financing .....	10
4.2 Energy Education .....	10
4.3 Renewable Energy Development .....	11
4.4 Demand Response.....	12
4.5 Program Evaluations .....	12
4.6 Communicating with Customers .....	13
<b>Data .....</b>	<b>14</b>
Program Budgets by Municipality .....	14
Projected Savings by Program .....	15
Program Benefits and Cost Effectiveness .....	16
<b>Appendix .....</b>	<b>17</b>
Sample Marketing Materials	

# 1. EXECUTIVE SUMMARY

The CMEEC energy efficiency mission is to reduce emissions, reduce energy and peak demand, and offset to the extent possible the need to build new generation. CMEEC member utilities fill the role of complete energy managers for their customers, helping them to reduce costs by reshaping their energy use.

As a cooperative of municipal electric energy utilities, CMEEC maintains a diverse portfolio of products and services to meet the needs of all customers served. Although some aspects of implementation may vary, member utilities are responsive to their respective local constituents and benefit from the collaborative, system-wide approach to supporting diverse customer needs. All CMEEC customers can take advantage of available energy efficiency programs, and have direct access to cross-trained utility personnel.

CMEEC also recognizes the advantages of program consistency on a statewide basis, thus ensuring maximum program reach and eliminating potential confusion among customers. CMEEC's programs are designed to be compatible with the Energy Conservation Management Board's (ECMB) programs in all instances where that can be done effectively. Consistency has been achieved with Home Energy Savings (HES), Low Income and Lighting programs for residential customers, and with Existing Facility Retrofit and Equipment Replacement programs for commercial and industrial customers. Effective in 2009, and as part of the ECMB process, CMEEC's information is being incorporated online into [www.ctsavesenergy.com](http://www.ctsavesenergy.com), the Connecticut Energy Efficiency Fund's website for citizens, businesses, and state and local governments.

CMEEC's energy efficiency offerings are coordinated with ECMB and the Office of Policy and Management (OPM) for federally-funded programs. This ensures that every customer will have access to all programs for which they are eligible. This coordination is the cornerstone of CMEEC's HES program, particularly as HES is deployed for low income customers.

CMEEC continues in its development of a portfolio of customer focused programs. For 2009, the focus will be broadened to include elements that both reduce specific customer bills through efficiency measures and reduce transmission and generation cost to all customers through demand response. A time-of-use ratemaking pilot will be conducted during the course of this plan.

Truly localized, customer-driven service is a hallmark of the CMEEC organization, with participating utilities maintaining a high level of accessibility and interaction with area customers and other constituents. Monthly public meetings with local utility commissioners and interested residents ensure ongoing, two-way communication, and provide opportunities for timely updates and discussions of utility programs.

CMEEC programs will continue to feature local contact and direct one-on-one promotion. Program effectiveness relies upon the many relationships with customers developed through local offices and employees, local utility boards, and many indirect connections through municipal and civic organizations.

## Our energy efficiency mission:

To reduce peak demand, energy use and emissions while providing for program equity among customers.

## Focus areas:

- (1) Reducing customer bills through efficiency measures.
- (2) Reducing capacity and peak energy related generation cost to all customers through demand response.
- (3) Continued compatibility and consistency with ECMB's statewide programs, with all systems offering all programs with variations subject to the customer mix of each system.

## CMEEC strengths:

Local knowledge; understanding of demographic and energy usage profiles of customer base; customer relationships; decision-making and accountability in offices nearby; civic alliances.

## 1. EXECUTIVE SUMMARY (CONTINUED)

Because of the CMEEC utilities' local knowledge and presence, services can be accurately targeted according to key demographic and energy usage profiles, and tailored to discrete customer segments. Additional local benefits are derived from direct access to facilities and decision-makers across the entire spectrum of municipal departments and agencies. Programs also benefit from the local utilities' ability to combine electric efficiency efforts with like programs in gas, water and wastewater services.

Consistent with the new economic and energy policies of national and state leaders, CMEEC will leverage available stimulus funding to deepen the impact and attractiveness of key programs such as HES and Cool Choice. For example, HVAC upgrades will be encouraged through the use of financial incentives specifically targeting older air conditioning equipment. This constitutes a far more aggressive approach than waiting for existing equipment to reach the end of its useful life. The HES program will evolve to excite and entice residential customers with newly-bundled discount offers, rebates and better familiarity with available homeowner tax credits (e.g., storm windows, roofing, etc.).

*Rather than a "one size fits all" approach, CMEEC utilities have a robust cooperative portfolio of localized energy efficiency solutions consistent and compatible with statewide programs.*

### Program Highlights of the 2009-2010 Plan:

CMEEC utilities are reasonably, fairly and thoroughly offering and implementing the following initiatives:

- Increased program awareness and cross-selling of existing products and services for **multi-project** engagement across all customer segments.
- The **residential lighting program** will evolve from direct distribution of compact fluorescent lightbulbs (CFLs) to negotiated cooperative purchase agreements with retail vendors. The program will also shift focus to specialty bulbs.
- **Home Energy Savings (HES)** will be the primary residential program for 2009-2010. HES offers a whole-house approach and will be available in all systems delivered through a single contractor or local utility staff.
- Local utility **websites** will link to Energy Depot® and provide access to interactive energy tools, self-guided audits and downloadable information.
- The **ENERGY STAR® appliance rebate program** will continue for 2009 and 2010.
- Local **websites** will link to EnergyDepot.com and provide access to interactive self-guided audits, program information and downloadable forms.
- Ongoing **customer communications** will continue and be enhanced during the year with feedback mechanisms to help foster energy efficient behaviors.
- Support for **new residential construction** will be expanded with a menu of developer incentives.
- Strong one-on-one efforts will connect **commercial and industrial customers** with parallel funding for heating and cooling equipment, with prescriptive and custom incentives for both retrofit and new construction projects.
- **Renewable generation resources** will be developed directly through the local utilities in collaboration with the Connecticut Clean Energy Fund (CCEF).
- Specific **demand response** measures are being initiated for larger customers.
- **Upcoming ISO requirements** will necessitate revamping program measurement and verification processes and procedures.
- **Marketing** for all programs will be undertaken by each local utility through direct mail and newsletters, website resources, outreach to community groups and by utilizing the local utility offices and employees.

## 2. RESIDENTIAL PROGRAMS

### 2.1 Home Energy Savings

CMEEC's Home Energy Savings program (HES) will be the primary residential program for 2009 and 2010. All member systems will participate through a CMEEC-wide contractor or local utility staff. The program addresses the entire spectrum of energy use involving shell construction, and space and water heating and cooling.

Program elements include:

- Blower door testing leading to weatherization measures
- Duct testing and sealing
- Installation of CFLs wherever practicable
- Domestic and hot water efficiency devices and pipe insulation
- Assisting customer with procurement and providing quality control

The CMEEC utilities are exploring ways to place even greater emphasis on cross-selling of multiple programs and to offer bundled incentives to new and recent HES customers. With every in-home service visit, efforts are made to familiarize customers with the Energy Depot® and how to access this valuable online resource, and to make sure customers know about money-saving offers available through the national Energy Star® program.

The importance of saving energy and reducing related costs will continue to be a priority for all customers, even more so in the current tough economic climate.

<b>Target market:</b>	All residential customers beginning with a focus on single family homes, low income, and high use customers.
<b>Program add-ons:</b>	CMEEC systems will work with Yankee Gas to coordinate available gas company incentives. CMEEC is coordinating HES with the OPM programs for customers with oil heat. Norwich Public Utilities will offer a gas equipment component.

<b>Target market:</b>	Low-income customers, including those with unpaid bills and higher-than-average energy use.
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<b>Customer participation:</b>	The systems will utilize existing community contact networks including community assistance agencies (e.g., social service or housing authorities) and the utility customer service staff.
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<b>Special factors:</b>	Activities implemented through landlords may require a co-pay from the landlord.
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### 2.2 Low Income Customers

The primary program objective is to reduce energy costs for low-income customers through the direct installation of efficiency measures, primarily weatherization.

The Low Income program will be offered through the Home Energy Savings program beginning in 2009. The program will be delivered by all municipal systems and will be implemented through a common third-party contractor or local utility staff.

Efficiency measures include efficient lighting, water heating and pipe insulation, low-flow water devices, blower-door tests and subsequent air sealing and weatherization, and related measures.

CMEEC utilities cover 100% of the efficiency measure costs for low-income customers, and ensure that bill-payment and assistance plans are utilized when needed.

## 2. RESIDENTIAL PROGRAMS (CONTINUED)

### 2.3 New Residential Construction

A 2008 pilot program, conducted in one system, offered a menu of incentives for new residential construction, primarily in the multi-family sector. Beginning in 2009, both the Groton and Norwich systems will offer a menu of incentives including:

- ENERGY STAR appliances
- Cool Choice for cooling equipment
- Qualifying CFL lighting fixtures, high-efficiency ceiling fans
- CFLs for each light and lighting fixture
- Low-flow shower and sink devices
- High-efficiency CFL exterior area lighting with photo sensors or timers as applicable
- Natural gas instantaneous (tankless) water heaters
- High-efficiency natural gas boilers and furnaces (92.5% A.F.U.E.)
- Geothermal and/or high-efficiency air to air heat pumps
- ENERGY STAR heating system programmable thermostats
- Enhanced shell insulation

#### Target market:

The utilities will target developers and builders involved in the new construction market, through well-developed community contacts such as building officials and new service utility staff.

#### Program add-ons:

CMEEC systems will work with Yankee Gas Company to coordinate the available gas company incentives. CMEEC is coordinating HES with the OPM programs for customers with oil heat. Norwich Public Utilities will offer a gas equipment component.

#### Target market:

Mainly residential customers, but all customers in participating member service territories are eligible.

#### Program outreach:

Ongoing through local offices and staff, websites, and the HES and New Residential Construction programs.

### 2.4 Appliances

CMEEC members will continue to provide rebates for qualifying appliance models in 2009 and 2010. The program includes ENERGY STAR clothes washers, water heaters, refrigerators, dishwashers, dehumidifiers and window air conditioners.

The program operates through point-of-purchase coupons and includes both regional and local retail outlets.

## 2. RESIDENTIAL PROGRAMS (CONTINUED)

### 2.5 Lighting

Over the past several years CMEEC members have pursued residential lighting measures as a key savings strategy, primarily by distributing low- or no-cost CFLs to municipal customers. In 2009, CFL direct distribution will be at a substantially reduced level.

The program will transition from standard to specialty bulbs, and the primary residential lighting effort beginning in 2009 will be through the Negotiated Cooperative Purchase Program, which operates statewide.

CMEEC systems will promote this program in their service centers. In-store promotions at local retail outlets will be added to increase public outreach. The lighting program will be re-evaluated in 2009 and may be modified in 2010.

**Target market:**

All customer segments with new energy-saving opportunities for those who already have CFLs.

**Program goal:**

To transition from standard to specialty bulbs, through lighting rebates and incentives targeted to encourage market transformation to electronic lighting technologies.

While some of the previous direct-to-customer external marketing efforts have been discontinued, several low- and no-cost initiatives with proven results are ongoing:

- Online lighting catalogs will provide customers with reduced-cost, efficient lighting fixtures and specialty replacement bulbs.
- Direct installation of CFLs will continue to be an important component of the New Residential Construction, HES and Low Income programs.
- School-based fundraisers and other innovative partnerships will continue to be part of the CMEEC systems' community involvement.
- CMEEC will also continue to honor any orders from municipal customers who participate in lighting fairs.

Overall, nearly 500,000 CFLs have been distributed to date to local customers (representing a market saturation level of roughly one-third).



### 3. COMMERCIAL & INDUSTRIAL PROGRAMS

#### 3.1 Existing Facility Retrofit – Commercial, Industrial and Municipal

The Commercial and Industrial (C&I) retrofit program for existing facilities has provided the greatest share of energy and demand savings in prior years. The objective of the program is to lower energy use and cost at larger commercial and industrial facilities. The program is also utilized for municipal retrofit projects.

The program offers both technical and financial assistance to customers. Many projects result from utility outreach efforts. Frequently, however, customers obtain proposals directly from vendors. Utility staff reviews proposals for savings claims and cost-effectiveness, and offers financial incentives generally based on a percentage of project cost or a fixed unit rate for energy saved.

Zero-interest financing is also available with some CMEEC utilities, where incentive payments are used to buy down interest rates and establish loan terms to provide positive cash flows to customers.

**Target market:**

Existing facilities in commercial, industrial and municipal sectors.

**Program outreach:**

Leverages relationships between CMEEC member utilities and the target group's decision-makers.

**Target market:**

C&I customers with projects involving eligible energy-efficient equipment and design practices.

**Program outreach:**

Leverages relationships with building officials, contractors and customers.

#### 3.2 New Construction

This program will continue to offer a combination of technical assistance, both through in-house staff and independent technical assistance firms, and through financial incentives for eligible energy-efficient equipment and design practices.

Incentives will be offered for equipment and lighting to encourage upgrading to higher than standard efficiency.

Incentives will be based on the incremental cost associated with upgrading to higher efficiency products. Prescriptive incentives may be available on the same basis as available for equipment replacement projects. Financing will be offered on the same basis as available for retrofit projects.

The CMEEC utilities are redoubling efforts to bring innovative energy efficiency solutions to C&I customers, including:

1. Facilities audits focused on near-term efficiency upgrades to rooftop HVAC units and any other major equipment that affect peak load.
2. Opportunities to partner with Yankee Gas and Norwich Public Utilities on gas equipment upgrades for added energy savings.
3. Tiered savings discounts for doing multiple efficiency projects at the same time.
4. Ongoing support of state and local economic retention efforts aimed at preserving the business base in our communities.



### 3. COMMERCIAL & INDUSTRIAL PROGRAMS (CONTINUED)

#### 3.3 Equipment Replacement ~ Prescriptive

CMEEC's prescriptive programs are available for the replacement of motors and air conditioning equipment. Prescriptive incentives are intended to capture efficiency at the time of investment in new equipment, whether for planned replacement or time-dependent emergency replacement.

Eligible motors, efficiency levels and incentives will be consistent with those offered statewide.

Qualifying commercial air conditioning products will have efficiency levels consistent with those requirements promoted by energy efficiency programs throughout New England.

<b>Program goal:</b>	<i>(Prescriptive)</i> To promote the installation of premium efficiency motors and air conditioning.
<b>Program outreach:</b>	Primarily through ongoing customer contact. Contractors operating in the service territory are made aware of the incentive program through utility staff's ongoing discussions.

<b>Program goal:</b>	<i>(Custom)</i> To maximize the energy efficiency of new equipment being installed at our C&I customers' facilities.
<b>Program outreach:</b>	Leverages ongoing relationships with C&I customers.

#### 3.4 Equipment Replacement ~ Custom

The market for the custom offering is the end-use customer base. The program provides technical assistance, financial incentives, and financing available to customers to support investment in higher-efficiency equipment and systems.

Program incentives are based on the incremental cost for upgrading efficiency for all types of customer equipment.

#### 3.5 For Small Businesses

The objective of the Small Business program is to help small businesses lower their energy use and cost.

The program focuses on promoting the installation of energy-efficient equipment, primarily lighting and refrigeration technologies. It's designed to overcome barriers to energy efficiency that are unique to the small business market.

Utility staff will make small businesses aware of these opportunities through their existing channels of communication, and will respond to requests for assistance.

Prescriptive incentives are generally designed to cover 50% to 100% of the costs for high-efficiency lighting measures. Custom incentives are the same as those offered under the C&I retrofit program described previously. The same incentive levels are provided for retrofit and lost-opportunity projects.

<b>Target market:</b>	Small business customers eligible for custom and prescriptive incentives based on the same incentive package available to all C&I customers.
<b>Program outreach:</b>	Funding for the Small Business program is included in the various C&I programs.

## 4. OTHER CUSTOMER INITIATIVES

### 4.1 Energy Efficiency Financing

CMEEC members have developed a financing pilot with local banking institutions. It allows commercial and industrial customers to amortize energy efficiency project costs and obtain positive cash flow as one strategy for overcoming the first-cost barrier. The pilot program will be expanded in 2009 to additional systems.

The program offers financing through local banks where utility customers are most likely to have ongoing banking relationships.

The target market is CMEEC's larger C&I customer base, although the program is open to all C&I customers.

The program provides a zero interest loan for up to 60 months for approved commercial and industrial customers.

Customer credit is approved by the lender and is supported by a technical and financial analysis developed jointly by the utility and the customer.

#### Program goals:

(1) To offer attractive financing options that encourage customers to undertake efficiency improvements that otherwise would not be completed.

(2) To employ innovative financing strategies whereby the customer funds the efficiency project through its positive savings and gains the savings for the long term.

#### Target market:

Area educators, school board members and other municipal officials interested in energy efficiency initiatives.

#### Focus areas:

- Building Code Officials Training program \*
- Green Campus Initiative \*
- Conn. Energy Education program for high school science teachers \*
- Conn. Energy Efficiency Fund's eeSmarts program for elementary schools

\* Offered by the Institute of Sustainable Energy

### 4.2 Energy Education

The CMEEC systems will continue to collaborate with area educators and support various energy efficiency initiatives in our local communities.

CMEEC will engage with local school boards and other municipal officials and encourage their participation in key programs offered by the Institute for Sustainable Energy (ISE) at Eastern Connecticut State University.

In 2009 and 2010, CMEEC will focus on ISE's Connecticut Energy Education program for high school science teachers, and expand ISE's Green Campus Initiative from the college level to appropriate school campuses in the CMEEC communities.

ISE's Building Code Officials Training program will also be available to ensure the most energy-efficient building construction in CMEEC's service areas.

The systems will also continue to offer the Connecticut Energy Efficiency Fund's eeSmarts program to elementary grades in their respective communities.

## 4. OTHER CUSTOMER INITIATIVES (CONTINUED)

### 4.3 Renewable Energy Development

CMEEC has established a contract with the Connecticut Clean Energy Fund (CCEF) for technical support and project administration of renewable energy projects undertaken in the CMEEC systems service territories. Incentives will be available for photovoltaic as well as solar thermal projects. Residential and commercial / industrial projects are included under the agreement.

Incentive funding will be provided by the CMEEC systems. Incentive levels will generally be consistent with CCEF's current levels. If the CCEF incentives change in the future, CMEEC will evaluate whether to make the same changes, leave the levels unchanged, or establish a new incentive protocol.

Current guidelines for Renewable Energy customer incentives are listed below.

#### Incentives Guidelines

- Projects may be initiated by customers or third party vendors.
- Incentive eligibility will require that a vendor be utilized from CCEF's pre-approved vendor list.
- Once a project proposal is developed, it will be submitted to the CCEF for standard project processing.
- At the local utility level, the process will be controlled by the customer / vendor contract.
- The customer will be responsible for all project payments to the vendor.
- Upon successful completion of the project, the incentive payment may be made to the customer or directly to the vendor depending on the local utility. Incentive payments for some systems may also be made through the CCEF.
- CMEEC will retain the rights to the renewable energy credits.

The target market for the program is all residential and commercial / industrial customers with viable renewable energy potential.

Funding for this effort will come from existing C&LM budgets as well as other sources such as RGGI, ISO - FCM payments and ARRA.

## 4. OTHER CUSTOMER INITIATIVES (CONTINUED)

### 4.4 Demand Response

Control and reduction of CMEEC's overall peak demand is an important element in managing energy use for end-use customers. Since CMEEC is both the wholesale purchaser of energy for the systems and the coordinator of the energy efficiency programs, a unique opportunity exists to reduce both individual customer costs and overall CMEEC costs through demand reduction, lowering customer costs yet again. Demand reduction is an inherent part of the energy efficiency programs already. In 2009 CMEEC will begin to add measures to the program which are specifically targeted at demand reduction.

#### Pilot Programs

- Some CMEEC utilities will offer and market a demand response pilot program for ballast targeted fluorescent lighting control to be activated during high demand periods.
- Groton Utilities is also working on a residential A/C control pilot for military housing, designed to reduce peak demand.
- Time of use ratemaking, both at the wholesale and retail levels, with appropriate customer metering will be introduced as a third pilot effort in 2010 for the larger C&I customers in some systems.

Funding for this effort will come from existing C&LM budgets.

### 4.5 Program Evaluations

CMEEC reviews all programs for effectiveness after each program year has been completed.

CMEEC participates in ISO New England's Forward Capacity Market with a variety of resources, including On-Peak, Energy Efficiency Demand Resources. In mid-2007, CMEEC filed a plan for measurement and verification of demand reduction from its energy efficiency programs. The plan provides a detailed review of the processes which will be undertaken for measurement and verification of the energy efficiency demand reduction contributed by the efficiency programs for the Forward Capacity Market.

The procedures outlined in this plan are designed to comply with the requirements and standards set forth by the ISO in Market Rule 1 and the Manual for Measurement and Verification of Demand Reduction Value from Demand Resources (Manual M-MVDR; April 13, 2007).

During the 2009 year, the measurement and verification plan will be implemented in order to meet the ISO requirements for the 2010 auction.

The ISO process, for the most part, will control the evaluation methodology in future years. However, CMEEC also has the need to evaluate non-demand related aspects of its energy efficiency programs. Over the next two program years, CMEEC will continue to participate with others in regional evaluation efforts, not only for ISO auction purposes but also to inform program design.

## 4. OTHER CUSTOMER INITIATIVES (CONTINUED)

### 4.6 Communicating with Customers

The CMEEC systems will continue to use a variety of direct customer contact methods for the 2009-2010 planning period. These proven communication vehicles will keep customers' attention focused on energy efficiency and further increase awareness of available programs.

All of the systems employ targeted tools which are frequently updated to communicate with specific customer groups. Examples include:

- Monthly or quarterly newsletters with informative articles on energy efficiency
- Direct mailings to promote energy savings strategies in general or announce specific offers
- On-hold messages for callers
- Lobby signage and brochures on display at customer service centers and other municipal building locations
- Information and custom answers provided in-person by utility staff.

#### Outreach tools:

- Direct phone calling and direct mail
- Local utility websites and links
- Message on-hold announcements for callers
- In-lobby displays and informational materials
- Websites and web links to the online energy resources of Energy Depot®

The CMEEC systems continue to update their respective websites and also provide local customers with a direct link to Energy Depot®. This comprehensive resource provides interactive tools to perform home energy audits and includes an online library of energy conservation information. Beginning in 2009, the CMEEC utilities will proactively manage their overall web presence and be part of various external websites that promote statewide energy efficiency programs. Working with CEEF and other organizations, CMEEC's goal is to help ensure seamless informational resources for all Connecticut citizens regardless of who their electricity provider is.

On the road and on-site, CMEEC staff members regularly visit medium and large customers, and will continue to use drop-off and direct install efforts to connect with small business and residential customers.

Several enhancements to these communications tools are under way for 2009 and include strategies to achieve consistency across all CMEEC systems.

**The CMEEC systems reach every single customer every single month.** Through strategic, creative and cost-effective efforts, continuous improvements are already being seen in this area and will remain a priority through 2010.

# CMEEC Demand-Side Management Data

## BUDGETS

Tables 1a and 1b below outline the planned spending by utility and by program for 2009 and 2010. Total budgets are \$3,120,000 and \$3,605,000 for the two years, respectively. In both program years, approximately 55% of spending is in the commercial and industrial (C&I) programs and 45% is in residential programs. This breakdown is consistent with budgets from prior periods.

ABBREVIATIONS:
Bozrah Light & Power (BLP)
Groton Utilities (GU)
Jewett City Dept. of Public Utilities (JCDDPU)
Norwich Public Utilities (NPU)
South Norwalk Electric & Water (SNEW)
Norwalk Third Taxing District Electric Dept. (TTD)
Wallingford Electric Division (WED)

The program budgets are considered guidelines for the member utilities. The utilities have ample flexibility to choose the programs on which they wish to focus. Modifications to the 2010 year will be made in the 2010-2011 plan.

Note: The budgets include the costs of planning and evaluation activities.

**Table 1a. Program Budgets by Municipality for 2009**

Program	2009 Budget Forecast	BLP	GU	JCDPU	NPU	SNEW	TTD	WED
<b>Residential</b>								
Low Income Program	\$221,000	\$14,000	\$115,000	\$3,000	\$41,000	\$11,500	\$8,000	\$28,500
Home Energy Savings Program	\$751,000	\$17,000	\$108,000	\$16,000	\$242,000	\$68,000	\$44,000	\$256,000
<b>Efficient Products</b>								
Lighting	\$300,000	\$15,000	\$30,000	\$4,000	\$58,000	\$17,000	\$11,000	\$165,000
Appliances	\$111,000	\$6,000	\$32,000	\$2,000	\$30,000	\$8,500	\$6,000	\$26,500
<b>Subtotal - Residential</b>	<b>\$1,383,000</b>	<b>\$52,000</b>	<b>\$285,000</b>	<b>\$25,000</b>	<b>\$371,000</b>	<b>\$105,000</b>	<b>\$69,000</b>	<b>\$476,000</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>								
New Construction	\$70,000	\$0	\$50,000	\$1,000	\$13,000	\$4,000	\$2,000	\$0
<b>Equipment Replacement</b>								
Prescriptive	\$225,500	\$2,500	\$147,000	\$1,000	\$18,000	\$5,000	\$3,000	\$49,000
Custom	\$209,000	\$0	\$29,000	\$3,000	\$54,000	\$15,000	\$10,000	\$98,000
Existing Facility Retrofit	\$1,232,500	\$33,500	\$289,000	\$14,000	\$224,000	\$63,000	\$41,000	\$568,000
<b>Demand Response</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Subtotal - C&amp;I</b>	<b>\$1,737,000</b>	<b>\$36,000</b>	<b>\$515,000</b>	<b>\$19,000</b>	<b>\$309,000</b>	<b>\$87,000</b>	<b>\$56,000</b>	<b>\$715,000</b>
<b>Renewables</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total - All Programs</b>	<b>\$3,120,000</b>	<b>\$88,000</b>	<b>\$800,000</b>	<b>\$44,000</b>	<b>\$680,000</b>	<b>\$192,000</b>	<b>\$125,000</b>	<b>\$1,191,000</b>

**Table 1b. Program Budgets by Municipality for 2010**

Program	2010 Budget Forecast	BLP	GU	JCDPU	NPU	SNEW	TTD	WED
<b>Residential</b>								
Low Income Program	\$257,000	\$17,000	\$125,500	\$3,000	\$53,000	\$15,500	\$10,000	\$33,000
Home Energy Savings Program	\$870,000	\$19,500	\$110,500	\$19,000	\$288,000	\$82,000	\$53,000	\$298,000
<b>Efficient Products</b>								
Lighting	\$350,000	\$17,500	\$35,000	\$4,000	\$69,000	\$19,500	\$13,000	\$192,000
Appliances	\$129,000	\$7,000	\$37,000	\$3,000	\$35,000	\$10,000	\$6,000	\$31,000
<b>Subtotal - Residential</b>	<b>\$1,606,000</b>	<b>\$61,000</b>	<b>\$308,000</b>	<b>\$29,000</b>	<b>\$445,000</b>	<b>\$127,000</b>	<b>\$82,000</b>	<b>\$554,000</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>								
New Construction	\$80,000	\$0	\$57,000	\$1,000	\$15,000	\$4,000	\$3,000	\$0
<b>Equipment Replacement</b>								
Prescriptive	\$260,000	\$3,000	\$169,000	\$1,000	\$20,000	\$6,000	\$4,000	\$57,000
Custom	\$240,000	\$0	\$34,000	\$4,000	\$61,000	\$17,000	\$10,000	\$114,000
Existing Facility Retrofit	\$1,419,000	\$39,000	\$332,000	\$16,000	\$254,000	\$72,000	\$46,000	\$660,000
<b>Demand Response</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Subtotal - C&amp;I</b>	<b>\$1,999,000</b>	<b>\$42,000</b>	<b>\$592,000</b>	<b>\$22,000</b>	<b>\$350,000</b>	<b>\$99,000</b>	<b>\$63,000</b>	<b>\$831,000</b>
<b>Renewables</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total - All Programs</b>	<b>\$3,605,000</b>	<b>\$103,000</b>	<b>\$900,000</b>	<b>\$51,000</b>	<b>\$795,000</b>	<b>\$226,000</b>	<b>\$145,000</b>	<b>\$1,385,000</b>

## CMEEC Demand-Side Management Data (CONTINUED)

### PROJECTED SAVINGS BY PROGRAM

CMEEC continues the development and implementation of the CENCON energy efficiency data tracking system. To project savings for 2009 and 2010, the savings yields (i.e., kWh per dollar spent and kW per dollar spent) for most programs were estimated from the 2008 program results. The Home Energy Savings (HES) program and the Low Income program (delivered under the HES platform) are both too new to yield data sufficient for projecting future years' results. In the case of these two programs, program yields were utilized from the equivalent programs delivered by United Illuminating in Connecticut.

The projected savings for each program are shown below in Tables 2a and 2b. Total annualized energy savings are 13,373 and 15,445 MWh, respectively, for the two years. Total summer peak demand reduction is about 2.0 and 2.3 MW, comparable to the savings from 2008 activities. While the budget has increased, savings are projected to increase at a lower rate, as the growth in spending is attributable largely to increases in spending on the HES and Low Income programs. These provide fewer kWh per dollar spent than other programs.

Note: All energy and demand savings are at the customer meter.

**Table 2a. Program Savings by Program for 2009**

Program	Program Budget 2009	Proj. Annual Savings (MWh)	Lifetime Savings (MWh)	Proj. kW Impact (Year End)	Demand Costs \$/kW	Cost Rate \$/kWh Annualized	Utility Cost Ratio \$/LT kWh
<b>Residential</b>							
Low Income Program	\$220,903	574	4,016	90	\$2,447	\$0.39	\$0.055
Home Energy Savings Program	\$750,672	753	6,351	165	\$4,545	\$1.00	\$0.118
<b>Efficient Products</b>			0				
Lighting	\$299,869	2,659	18,615	211	\$1,419	\$0.11	\$0.016
Appliances	\$110,952	162	2,264	23	\$4,795	\$0.69	\$0.049
<b>Subtotal - Residential</b>	<b>\$1,382,396</b>	<b>4,148</b>	<b>31,246</b>	<b>490</b>	<b>\$2,822</b>	<b>\$0.33</b>	<b>\$0.044</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>							
New Construction	\$69,969	74	1,482	25	\$2,809	\$0.94	\$0.047
<b>Equipment Replacement</b>							
Prescriptive	\$225,401	572	13,206	181	\$1,248	\$0.39	\$0.017
Custom	\$208,909	1,104	10,053	394	\$531	\$0.19	\$0.021
Existing Facility Retrofit	\$1,231,962	7,475	80,680	929	\$1,326	\$0.16	\$0.015
<b>Demand Response</b>							
<b>Subtotal - C&amp;I</b>	<b>\$1,736,241</b>	<b>9,225</b>	<b>105,422</b>	<b>1,528</b>	<b>\$1,136</b>	<b>\$0.19</b>	<b>\$0.016</b>
<b>Total - All Programs</b>	<b>\$3,118,637</b>	<b>13,373</b>	<b>136,668</b>	<b>2,018</b>	<b>\$1,545</b>	<b>\$0.23</b>	<b>\$0.023</b>

**Table 2a. Program Savings by Program for 2010**

Program	Program Budget 2010	Proj. Annual Savings (MWh)	Lifetime Savings (MWh)	Proj. kW Impact (Year End)	Demand Costs \$/kW	Cost Rate \$/kWh Annualized	Utility Cost Ratio \$/LT kWh
<b>Residential</b>							
Low Income Program	\$256,838	667	4,669	105	\$2,447	\$0.39	\$0.055
Home Energy Savings Program	\$869,452	873	7,356	191	\$4,545	\$1.00	\$0.118
<b>Efficient Products</b>			0				
Lighting	\$349,780	3,102	21,713	246	\$1,419	\$0.11	\$0.016
Appliances	\$128,919	188	2,631	27	\$4,795	\$0.69	\$0.049
<b>Subtotal - Residential</b>	<b>\$1,604,988</b>	<b>4,829</b>	<b>36,369</b>	<b>570</b>	<b>\$2,818</b>	<b>\$0.33</b>	<b>\$0.044</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>							
New Construction	\$79,950	85	1,694	28	\$2,809	\$0.94	\$0.047
<b>Equipment Replacement</b>							
Prescriptive	\$259,836	660	15,223	208	\$1,248	\$0.39	\$0.017
Custom	\$239,849	1,267	11,542	452	\$531	\$0.19	\$0.021
Existing Facility Retrofit	\$1,418,106	8,604	92,871	1,069	\$1,326	\$0.16	\$0.015
<b>Demand Response</b>							
<b>Subtotal - C&amp;I</b>	<b>\$1,997,741</b>	<b>10,616</b>	<b>121,330</b>	<b>1,758</b>	<b>\$1,136</b>	<b>\$0.19</b>	<b>\$0.016</b>
<b>Total - All Programs</b>	<b>\$3,602,729</b>	<b>15,445</b>	<b>157,699</b>	<b>2,328</b>	<b>\$1,548</b>	<b>\$0.23</b>	<b>\$0.023</b>



## CMEEC Demand-Side Management Data (CONTINUED)

### COST-EFFECTIVENESS

Tables 3a and 3b project the cost-effectiveness of the 2009 and 2010 programs. All programs are cost-effective from a total resource (or societal) perspective, with total net benefits of approximately \$7.0 million and \$8.2 million for the two years, respectively. Total resource benefit/cost ratios (BCRs) were 2.1 and 2.2, respectively. This is slightly lower than the realized cost-effectiveness in 2008, again due to the shift in program spending to programs with lower benefit-cost ratios (i.e., Home Energy Savings and Low Income programs).

All programs are also cost-effective for the Electric System (i.e., for the utilities), with total net benefits of \$10.1 million for 2009 and \$11.6 million for 2010. The benefit-cost ratio for both years is 4.2, meaning that each dollar spent will result in over four dollars in utility-system benefits.

Commercial programs have higher BCRs from a utility perspective, but slightly lower BCRs from a total resource perspective. In general, commercial programs offer lower incentives than do residential programs, resulting in higher utility BCRs. In addition, residential programs often generate greater fossil fuel savings than do commercial programs, which increases the total resource benefits (but not the utility benefits) of these installations.

The lowest BCR (both utility and total resource) is for the Home Energy Savings program. This is to be expected, for several reasons: the whole-house retrofit measures are relatively expensive, the utility pays for a large portion of the cost of the measures, there are substantial non-electric benefits, and the measures typically have longer paybacks.

**Table 3a. Program Benefits and Cost Effectiveness for 2009**

Program	Utility Costs	% of Budget	Electric System Benefits	Electric System Net Benefits	Electric System B/C Ratio	Total Resource Costs	Total Resource Benefits	Total Resource Net Benefits	Total Resource B/C Ratio
<b>Residential</b>									
Low Income Program	\$220,903	7.1%	\$497,283	\$282,691	2.3	\$214,592	\$497,283	\$282,691	2.3
Home Energy Savings Program	\$750,672	24.1%	\$928,512	\$199,288	1.2	\$853,896	\$928,512	\$74,616	1.1
<b>Efficient Products</b>									
Lighting	\$299,869	9.6%	\$1,809,570	\$1,518,269	6.0	\$324,159	\$1,809,570	\$1,485,411	5.6
Appliances	\$110,952	3.6%	\$204,815	\$97,033	1.8	\$260,642	\$371,080	\$110,438	1.4
<b>Subtotal - Residential</b>	<b>\$1,382,396</b>	<b>44.3%</b>	<b>\$3,440,181</b>	<b>\$2,097,282</b>	<b>2.5</b>	<b>\$1,653,289</b>	<b>\$3,606,446</b>	<b>\$1,953,157</b>	<b>2.2</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>									
New Construction	\$69,969	2.2%	\$141,881	\$73,910	2.0	\$100,256	\$141,881	\$41,624	1.4
<b>Equipment Replacement</b>									
Prescriptive	\$225,401	7.2%	\$1,209,788	\$990,827	5.4	\$940,722	\$1,209,788	\$269,066	1.3
Custom	\$208,909	6.7%	\$1,021,062	\$818,123	4.9	\$684,044	\$1,021,062	\$337,018	1.5
Existing Facility Retrofit	\$1,231,962	39.5%	\$7,327,148	\$6,130,385	5.9	\$2,868,836	\$7,327,148	\$4,458,311	2.6
<b>Demand Response</b>									
<b>Subtotal - C&amp;I</b>	<b>\$1,736,241</b>	<b>55.7%</b>	<b>\$9,699,879</b>	<b>\$8,013,245</b>	<b>5.6</b>	<b>\$4,593,859</b>	<b>\$9,699,879</b>	<b>\$5,106,020</b>	<b>2.1</b>
<b>Total - All Programs</b>	<b>\$3,118,637</b>	<b>100.0%</b>	<b>\$13,140,060</b>	<b>\$10,110,527</b>	<b>4.2</b>	<b>\$6,247,148</b>	<b>\$13,306,325</b>	<b>\$7,059,177</b>	<b>2.1</b>

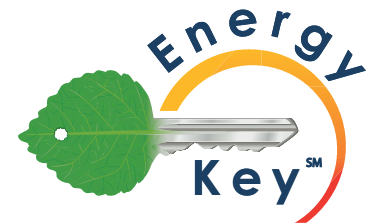
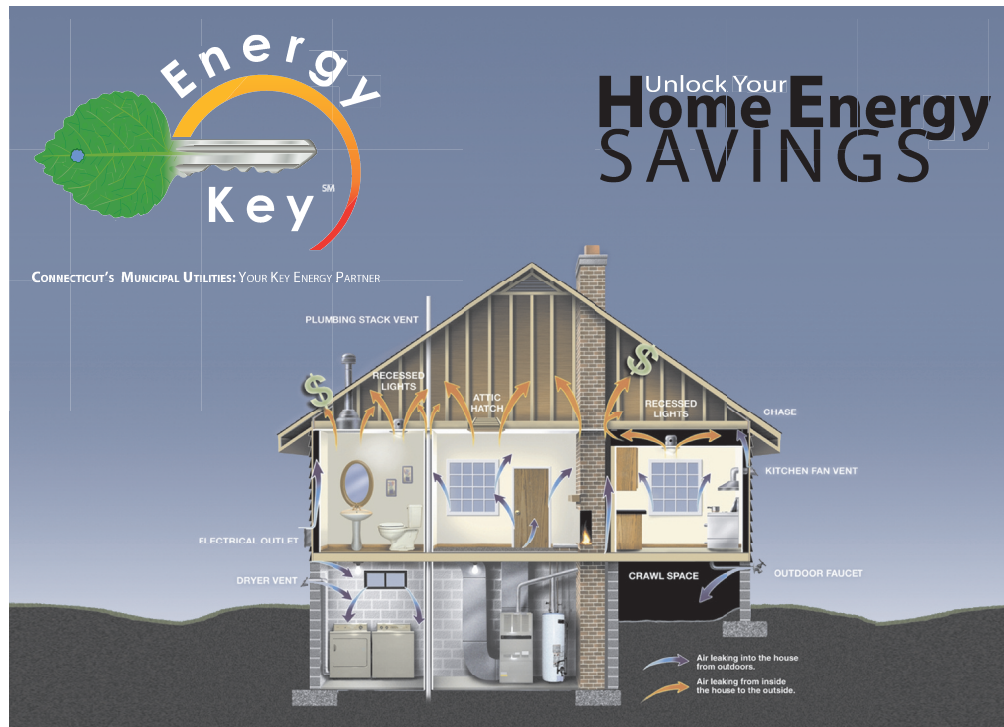
# CMEEC Demand-Side Management Data (CONTINUED)

## COST-EFFECTIVENESS CONTINUEDS

Table 3b. Program Benefits and Cost Effectiveness for 2010





Program	Utility Costs	% of Budget	Electric System Benefits	Electric System Net Benefits	Electric System B/C Ratio	Total Resource Costs	Total Resource Benefits	Total Resource Net Benefits	Total Resource B/C Ratio
<b>Residential</b>									
Low Income Program	\$256,838	8.2%	\$581,304	\$338,933	2.3	\$242,371	\$581,304	\$338,933	2.4
Home Energy Savings Program	\$869,452	27.9%	\$1,084,056	\$263,577	1.2	\$960,752	\$1,084,056	\$123,303	1.1
<b>Efficient Products</b>									
Lighting	\$349,780	11.2%	\$2,104,554	\$1,774,476	6.0	\$367,309	\$2,104,554	\$1,737,245	5.7
Appliances	\$128,919	4.1%	\$236,077	\$114,419	1.8	\$294,197	\$423,747	\$129,551	1.4
<b>Subtotal - Residential</b>	<b>\$1,604,988</b>	<b>44.5%</b>	<b>\$4,005,991</b>	<b>\$2,491,406</b>	<b>2.5</b>	<b>\$1,864,630</b>	<b>\$4,193,661</b>	<b>\$2,329,032</b>	<b>2.2</b>
<b>Commercial &amp; Industrial (C&amp;I)</b>									
New Construction	\$79,950	2.6%	\$160,608	\$85,162	2.0	\$111,283	\$160,608	\$49,325	1.4
<b>Equipment Replacement</b>									
Prescriptive	\$259,836	8.3%	\$1,380,386	\$1,135,185	5.3	\$1,053,453	\$1,380,386	\$326,933	1.3
Custom	\$239,849	7.7%	\$1,157,939	\$931,600	4.8	\$762,915	\$1,157,939	\$395,024	1.5
Existing Facility Retrofit	\$1,418,106	45.5%	\$8,328,757	\$6,990,528	5.9	\$3,207,955	\$8,328,757	\$5,120,802	2.6
<b>Demand Response</b>									
<b>Subtotal - C&amp;I</b>	<b>\$1,997,741</b>	<b>55.5%</b>	<b>\$11,027,690</b>	<b>\$9,142,475</b>	<b>5.5</b>	<b>\$5,135,606</b>	<b>\$11,027,690</b>	<b>\$5,892,083</b>	<b>2.1</b>
<b>Total - All Programs</b>	<b>\$3,602,729</b>	<b>100.0%</b>	<b>\$15,033,680</b>	<b>\$11,633,880</b>	<b>4.2</b>	<b>\$7,000,236</b>	<b>\$15,221,351</b>	<b>\$8,221,115</b>	<b>2.2</b>

Data Source: Optimal Energy, Inc.



Unlock Your **Home Energy SAVINGS**

CONNECTICUT'S MUNICIPAL UTILITIES: YOUR KEY ENERGY PARTNER

-  **Energy efficient appliances**
-  **Home weatherization**
-  **Energy conservation**
-  **Energy Depot® Online Resources**

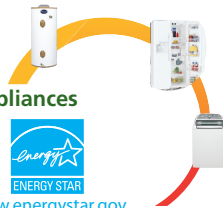


## Home Energy Savings Program

## Mail-in Rebate for Appliances

**\$60 OFF**

**ENERGY STAR® Qualified Appliances**  
For Connecticut Municipal Electric  
Utility Customers Only



Get \$60 back from your municipal electric utility on your purchase of an eligible ENERGY STAR qualified refrigerator, freezer, dishwasher, clothes washer, dehumidifier or water heater. This rebate is good for purchases made between July 1, 2008 and December 31, 2009. LIMIT: One rebate per municipal electric utility account.

**To receive your rebate:**

- 1) Fill out this form completely.
- 2) Enclose a copy of your dated sales receipt and recent electric bill.
- 3) Mail to: **CMEEC – CT Municipal Appliance Rebate, 30 Stott Avenue, Norwich, CT 06360**

Please DO NOT include this rebate request with your utility bill payment. All rebate requests must be postmarked no later than December 31, 2009. Incomplete information may delay or disqualify your rebate.

**Customer Information**

Please fill out completely. All information below is required.

Name	Phone		
Installation Address	City	State	Zip
Mailing Address <small>If different than Installation Address</small>	City	State	Zip
Email			

**Appliance Information**

Qualifying appliances must be ENERGY STAR® rated. Provide the following information for each purchase.

Appliance	Manufacturer	Model #	# Purchased	Total Rebate
<input type="radio"/> Refrigerator _____ <small>Specify type: <input type="radio"/> Top-mount freezer <input type="radio"/> Bottom-mount freezer <input type="radio"/> Side-by-side <input type="radio"/> Ice maker through door</small> <small>Specify size of refrigerator's freezer: _____ cubic feet</small>			X \$60 =	\$ _____
<input type="radio"/> Freezer _____			X \$60 =	\$ _____
<input type="radio"/> Dishwasher _____			X \$60 =	\$ _____
Clothes washer:				
<input type="radio"/> Front loading _____			X \$60 =	\$ _____
<input type="radio"/> Top loading _____			X \$60 =	\$ _____
<input type="radio"/> Water heater _____			X \$60 =	\$ _____
<small>Requirements: 59-gallon or smaller tank must have an energy factor of .93 or higher; 60-gallon or larger tank must have an energy factor of .91 or higher</small>				
<input type="radio"/> Dehumidifier _____			X \$60 =	\$ _____
Name and address of store where you purchased the appliance(s)		Purchase Price	Purchase Date	

**ENERGY STAR® qualified appliances save energy and money, and help protect the environment.**



Join the national effort to help use energy wisely. Buy appliances that have earned the ENERGY STAR rating. Only products delivering the highest level of energy efficiency are awarded the ENERGY STAR from the U.S. Environmental Protection Agency and the U.S. Department of Energy.

**What's so important about ENERGY STAR qualified appliances?**

Saving energy also saves money. By using energy efficient products, the average household can save up to \$400 per year on utility bills. (Savings are estimated. Actual savings may vary.)

According to the U.S. EPA, if just 10% of us used ENERGY STAR appliances, together we would reduce carbon dioxide pollution by the equivalent of planting 1.7 million acres of new trees.

**Rebate Requirements**

This rebate offer is available to all customers of the Connecticut municipal electric utilities listed below. Limit: One rebate application per municipal electric utility account. Eligible appliances must be installed at a location in the Connecticut municipal electric utilities' service territories. Valid for purchases between July 1, 2008 and December 31, 2009. All rebate requests must be postmarked no later than December 31, 2009. The municipal electric utilities reserve the right to conduct field inspections to verify installations. Please allow 60 days for payment; payment process may take longer if information is missing on application.

Bozrah Light & Power • Groton Utilities • Jewett City Dept. of Public Utilities  
Norwich Public Utilities • City of Norwalk Third Taxing District  
South Norwalk Electric & Water • Wallingford Electric Division

**Warranties: YOUR PARTICIPATING MUNICIPAL ELECTRIC UTILITY DOES NOT WARRANT THE PERFORMANCE OF INSTALLED EQUIPMENT, EXPRESSLY OR IMPLICITLY.** The participating municipal utility makes no warranties or representation of any kind, whether statutory, expressed or implied, including, without limitations, warranties of merchantability or fitness for particular purpose regarding the equipment or services provided by a contractor or vendor. Consult your contractor or vendor for details regarding performance and warranties.

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

## Home Energy Savings Program

## Mail-in Rebate for Attic Insulation



# UP TO \$1.00 PER SQUARE FOOT

**Rebate On Attic Insulation  
For Connecticut Municipal Electric  
Utility Customers Only**



Get a rebate of up to \$1.00 per square foot for attic insulation, if your home has electric or natural gas heat and/or central air conditioning.\* This rebate is good for purchases and installations completed in 2008 through 2010. Rebate requests must be postmarked by December 31, 2010. LIMIT: One rebate per municipal electric utility account.

Insulation must be installed by a licensed contractor and inspected by your Home Energy Savings (HES) technician when installation is completed. Not valid for homeowner-installed insulation.

### To receive your rebate:

- 1) Fill out this form completely. (Be sure to have the HES technician do a post-inspection and fill out the last section.)
- 2) Enclose a copy of the contractor's invoice.
- 3) Mail to: **CMEEC - CT Municipal Insulation Rebate, 30 Stott Avenue, Norwich, CT 06360**

Please DO NOT include this rebate request with your utility bill payment. All rebate requests must be postmarked no later than December 31, 2010. Incomplete information may delay or disqualify your rebate.

### Customer Information

Please fill out completely. All information below is required.

Name	Phone		
Installation Address	City	State	Zip
Mailing Address <small>If different than Installation Address</small>	City	State	Zip
Email	Social Security Number		

### Insulation Information

HES Technician completes this section.

Area Name	Material	Existing Insulation R Value	Recommended R Value	Ventilation Type or NSF	Square Footage
<b>Example: Attic</b>	<b>Fiberglass</b>	<b>19</b>	<b>38</b>	<b>Attic</b>	<b>900</b>

Note: Be sure to enclose contractor invoice

**\* The final rebate amount cannot exceed the actual cost of the completed attic insulation and will be determined by the technician at the time of post-installation inspection.**

Multiply Square Footage by \$0.50 if home has electric or natural gas heat ..... \$ \_\_\_\_\_

Multiply Square Footage by \$0.50 if home has central air conditioning ..... \$ \_\_\_\_\_

ESTIMATED REBATE	\$
---------------------	----

Please Print Name  
HES Technician's Name \_\_\_\_\_ Job Number \_\_\_\_\_

Technician's Signature \_\_\_\_\_ Date \_\_\_\_\_

By signing this form, I certify that I purchased the insulation noted above for use in the above residential address. I have read and understand the terms and conditions on the back of this form. The information I have provided is true and correct and the product(s) for which I am requesting a rebate meets the requirements in this application.

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Consumers may be eligible for a federal tax credit. Please refer to [www.energystar.gov](http://www.energystar.gov) for more information.

### TO BE COMPLETED BY HES TECHNICIAN AT POST-INSTALLATION INSPECTION:

Technician's Signature \_\_\_\_\_ Date \_\_\_\_\_

Calculations/Comments:

FINAL REBATE	\$
-----------------	----

## Rebate Requirements

**Application Offer:** This Rebate covers products purchased and installed in 2008 through 2010. Details of this Rebate are subject to change or cancellation without prior notice. This application form with required documentation must be postmarked by December 31, 2010. Call Competitive Resources, Inc. (CRI) toll-free at 1-888-403-3500 for additional details.

Completed and signed applications must be submitted within 60 days of installation to be eligible for Rebates.

**Eligibility:** Rebates are available only to residential electric services customers. Materials must be installed in the service territory of the participating municipal electric utility.

**Proof of Purchase:** An itemizing invoice must accompany each Rebate application form. **The invoice copy must indicate the type of insulation, amount, areas insulated and ventilation installed, and date of installation.**

**Application Form:** This application must be filled out completely, truthfully and accurately. Customer must sign, date, and submit the application along with the invoice.

**Payment:** Please allow 60 days for payment. Payment process may take longer if information is missing on application. Call 1-888-403-3500 for details.

**Approval and Verification:** Pre-approval from your participating municipal electric utility will be required if the rebate total is greater than \$5,000. Your participating municipal electric utility requires a post-installation inspection.

**Tax Liability:** Customers of the Home Energy Savings (HES) Insulation Rebate program may be subject to tax liability for the value of the Rebate received through the program pursuant to state and/or federal income tax codes. Please consult with a tax advisor on whether to include the amount of the Rebate on your income tax filing. All customers must supply their Social Security number in order to receive a Rebate.

**Endorsement:** Your participating municipal electric utility does not endorse any particular manufacturer, product or system design in promoting this Rebate.

**Warranties:** **YOUR PARTICIPATING MUNICIPAL ELECTRIC UTILITY DOES NOT WARRANT THE PERFORMANCE OF INSTALLED MEASURES, EXPRESSLY OR IMPLICITLY.** The participating municipal utility makes no warranties or representation of any kind, whether statutory, expressed or implied, including, without limitations, warranties of merchantability or fitness for particular purpose regarding the material or services provided by a contractor or vendor. Consult your contractor for details regarding performance and warranties.

**Limitations of Liability:** The liability of your participating municipal electric utility is limited to paying the Rebate specified. The participating municipal electric utility is not liable for any consequential or incidental damages or for any damages in tort connected with or resulting from participation in this Rebate.

**Assignment:** The customer may assign the Rebate payment to a qualified contractor.

**Owner's Certification:** Owner certifies that he/she purchased and had installed by a licensed contractor the material listed above at the defined location. Owner agrees that all information is true and that he/she conformed to all requirements listed. Owner has verified that the material listed above has been installed correctly.

**ISO-NE Capacity Payments:** Customer agrees and acknowledges that this installation of energy efficiency measures by Contractor may result in financial incentives or environmental attributes related to Customer's participation in the Program which may benefit CMEEC and/or Utility. Customer hereby agrees to assign to CMEEC on behalf of Utility any and all right, title and interest in Customer's portion, if any, of such financial incentives and/or environmental attributes.

## Home Energy Savings Program

## Mail-in Rebate



**\$50 off**

www.energystar.gov



**ENERGY STAR® Qualified Air Conditioner**  
For Third Taxing District of the City of Norwalk Electrical  
Department Customers Only

**The Energy Star® Mail-in Rebate.**

Get \$50 back from your municipal electric utility when you purchase an eligible Energy Star® qualified window air conditioner. This rebate is good for purchases made from May 1, 2009 - December 31, 2009. **LIMIT: There is a limit of 3 air conditioners per electric utility account.**

**To receive your rebate:**

1. Fill out this form completely.
  2. **Enclose a copy of a dated sales receipt showing model # of appliance(s), a copy of the yellow energy guide label, and a copy of your recent electric bill. Incomplete or missing information may delay or disqualify your rebate.**
  3. Mail to: CMEEC-Appliance Rebate, 30 Stott Avenue, Norwich, CT 06360
- Please **DO NOT** include this rebate form with your utility bill payment. All rebate requests must be postmarked no later than December 31, 2009.

**Customer Information**

Please fill out completely. Except where noted, all information below is required.

Name <input type="text"/>	Email (optional) <input type="text"/>
Mailing Address <input type="text"/>	Phone # <input type="text"/>
City <input type="text"/>	State <input type="text" value="Connecticut"/> Zip Code <input type="text"/>
Installation Address (if different from mailing address) <input type="text"/>	Electric Account Number at the Installation Address <input type="text"/>

**Appliance Information**

Qualifying appliances must be Energy Star rated. Provide the following information for each purchase

Air Conditioner Manufacturer <input type="text"/>	Model # <input type="text"/>
Air Conditioner size/BTU <input type="text"/>	
Air Conditioner Manufacturer <input type="text"/>	Model # <input type="text"/>
Air Conditioner size/BTU <input type="text"/>	
Air Conditioner Manufacturer <input type="text"/>	Model # <input type="text"/>
Air Conditioner size/BTU <input type="text"/>	

TTD reserves the right to conduct field inspections to verify installations.

Rebate Amount (Number of units x \$50)  Date of Purchase

Customer Signature  Date:

Reset Form

Print Form

**ENERGY STAR® qualified appliances save energy and money, and help protect the environment.**

Join the national effort to help use energy wisely. Buy appliances that have earned the Energy Star® rating. Only products delivering the highest level of energy efficiency are awarded the ENERGY STAR® from the U.S. Environmental Protection Agency and the U.S. Department of Energy.

**What's so important about ENERGY STAR® qualified appliances?**

Saving energy also saves money. By using energy efficient products, the average household can save up to \$400 per year on utility bills. (Savings are estimated - actual savings may vary.)

According to the U.S. EPA, if just 10% of us used ENERGY STAR® appliances, together we would reduce carbon dioxide pollution by the equivalent of planting 1.7 million acres of new trees.

For more information about Energy Star®, visit [www.energystar.gov](http://www.energystar.gov).

**Rebate Requirements**

This rebate offer is available to all Third Taxing District Electric Department customers. Limit: Three qualifying air conditioner units per municipal electric utility account. Eligible appliances must be installed at a location in the Third Taxing District's service territory. Valid for purchases made between May 1, 2009 and December 31, 2009. All rebate requests must be postmarked no later than December 31, 2009. **Third Taxing District Electric Department reserves the right to conduct field inspections to verify installations.** Please allow 30 days for payment; payment process may take longer if application is incomplete or required information is not included.

**Warranties: THE THIRD TAXING DISTRICT ELECTRIC DEPARTMENT DOES NOT WARRANT THE PERFORMANCE OF INSTALLED EQUIPMENT, EXPRESSLY OR IMPLICITLY.** The Third Taxing District Electric Company makes no warranties or representation of any kind, whether statutory, expressed or implied, including, without limitations, warranties of merchantability or fitness for particular purpose regarding the equipment or services provided by a contractor or vendor. Consult your contractor or vendor for details regarding performance and warranties.

Questions? Contact TTD at (203) 866-9271 or visit our web site at [www.ttd.gov](http://www.ttd.gov)



**Energy Key<sup>SM</sup>** is a service mark of the Connecticut Municipal Electric Energy Cooperative. Participants include Norwich Public Utilities, Groton Public Utilities, Bozrah Light & Power Company, Jewett City Department of Public Utilities, South Norwalk Electric & Water, Third Taxing District Electric Department, and Wallingford Electric Division. Visit [www.cmeec.com](http://www.cmeec.com) for more information.



## Connecticut Municipal Motor Up



888-606-9787  
30 Stott Avenue • Norwich, CT 06360



## CUSTOMER INFORMATION

Company Name:		Contact:	
Address:		State:	Zip:
Mailing Address:		State:	Zip:
Electric Account Number:	<input type="checkbox"/> BL&P <input type="checkbox"/> GU <input type="checkbox"/> JCU <input type="checkbox"/> NPU <input type="checkbox"/> SNEW <input type="checkbox"/> TTD <input type="checkbox"/> WED		
Phone:	Fax:	E-Mail:	
Federal ID Number	Incorporated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Exempt	

By signing below, customer agrees to the conditions as stated on the back of this application and to any special requirements.

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## CONTRACTOR INFORMATION

Company Name:		Contact:	
Address:		State:	Zip:
Mailing Address:		State:	Zip:
Federal ID Number:	Phone:	Fax:	E-Mail:

By signing below, contractor agrees to the conditions as stated on the back of this application and to any special requirements.

Contractor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## APPLICATION INSTRUCTIONS

- Read Initiative Requirements on the reverse side of this application
- Fill out all applicable spaces on this side of the application.
- Both the customer and contractor must sign the application.
- Attach invoice and manufacturer's specification sheet with equipment make, model, size and ARI efficiency rating.
- Send all documentation to CMEEC at 30 Stott Ave., Norwich, CT 06360. Utility information is provided on the top of the application.

## INCENTIVE PAYMENT METHOD

☐ Account Credit ☐ Check to Customer ☐ Check to Contractor

## MOTOR INFORMATION

Reason N=New F=Failed S=Stocked	Manufacturer	ODP or TEFC	Model No.	Function (Fan, Pump, Process, Other)	Location (Bldg/Rm)	Size (HP)	Speed (RPM)	NEMA Nominal Efficiency (%)	Annual Run Hours (2000 min)	Rebate Per Motor (See Table)	Qty	Requested Rebate
Example F	Acme	TEFC	RR/C157	HVAC Pump	Mech. Rm #4	30	1800	93.6	4400	\$150	1	\$150

Rebate Total: \$

Measure Information: Please review Eligibility Requirements on reverse. Include Invoices, product specification sheets and other documents

## For Administrative Use Only:

Project ID:	Database Id No.:	Approved Rebate: \$	Approving Program Manager:
Required Inspections:	Pre-Inspection Date:	Inspector:	
	Post-Inspection Date:	Inspector:	
Approvals:	Pre-Approval Date:	Program Manager:	Pre-Approved Rebate: \$
	Final Approval Date:	Program Manager:	Final Rebate: \$

## ELIGIBILITY REQUIREMENTS

Rebates will be provided for the installation of new premium-efficiency, three-phase 1-200 HP open drip proof (ODP) or totally enclosed fan cooled (TEFC) 1200, 1800 or 3600 RPM motors. All other applications must be submitted as custom measures.  
**Motors must operate a minimum of 2000 hours annually.**

## PREMIUM-EFFICIENCY MOTOR REBATES — OPEN DRIP-PROOF

Size (HP)	NEMA NOMINAL EFFICIENCY															
	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100
1200 RPM	82.5%	86.5%	87.5%	88.5%	89.5%	90.2%	91.7%	91.7%	92.4%	93.0%	93.6%	94.1%	94.1%	94.5%	94.5%	95.0%
1800 RPM	85.5%	86.5%	86.5%	89.5%	89.5%	91.0%	91.7%	93.0%	93.6%	94.1%	94.1%	94.5%	95.0%	95.0%	95.4%	95.8%
3600 RPM	77.0%	84.0%	85.5%	85.5%	86.5%	88.5%	89.5%	90.2%	91.0%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	94.1%
Rebate	\$45	\$45	\$54	\$54	\$54	\$81	\$90	\$104	\$113	\$117	\$135	\$162	\$198	\$234	\$270	\$360

## ELIGIBILITY REQUIREMENTS

Size (HP)	NEMA NOMINAL EFFICIENCY															
	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100
1200 RPM	82.5%	87.5%	88.5%	89.5%	89.5%	91.0%	91.0%	91.7%	91.7%	93.0%	93.0%	94.1%	94.1%	94.5%	94.5%	95.0%
1800 RPM	85.5%	86.5%	86.5%	89.5%	89.5%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	94.1%	94.5%	95.0%	95.4%	95.8%
3600 RPM	77.0%	84.0%	85.5%	86.5%	88.5%	89.5%	90.2%	91.0%	91.0%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	94.1%
Rebate	\$50	\$50	\$60	\$60	\$60	\$90	\$100	\$115	\$125	\$130	\$150	\$180	\$220	\$260	\$300	\$400

## TERMS AND CONDITIONS

**Application Offer:** This Initiative covers products purchased and installed or placed into stock on or after January 1, 2007. Details of this rebate program, including rebate levels, are subject to change or cancellation without prior notice. Contact your utility for the latest program details. This application, with required documentation, must be received by December 31, 2008. Motor project/savings may not be claimed under any other program. Call 1-888-606-9787 for additional initiative details.

Completed and signed applications must be submitted within 30 days of the equipment installation to be eligible for Rebates.

**Eligibility:** Rebates are available to industrial, commercial, institutional and agricultural electric services customers. Motors must be installed or stocked in the service territory of the participating municipal electric utility. Motors covered by this program must be new, three phase, induction motors, NEMA Design A & B, 1 – 200 HP, ODP or TEFC, 1200, 1800, or 3600 RPM. Other motors may be eligible for rebate under other programs. Please contact 1-888-606-9787 for additional information.

**Proof of Purchase:** A sales slip itemizing the new equipment purchased must accompany each incentive application form. The proof of purchase must indicate type, size, make, and model number of the motor, as well as the date purchased.

**Application Form:** This application must be filled out completely, truthfully and accurately. An authorized representative of the customer must sign, date, and submit the application along with an itemized proof of purchase or invoice. The efficiency information provided should be the NEMA nominal-efficiency rating from the motor name-plate. Efficiencies are to be full-load nominal efficiencies tested in accordance with IEEE Standard 112, Test Method B.

**Payment:** Please allow 30 days for payment or account credit. Payment process may take longer if information is missing on application. Call 1-888-606-9787 for details.

**Assignment:** The customer may assign the rebate payment to a qualified contractor.

**Approval and Verification:** Pre-approval from your municipal electric utility is required if the rebate is greater than \$5,000. Your participating municipal electric utility reserves the right to verify sales transactions and to inspect the motor installed or stocked under this program prior to issuing rebates, or at a later time, for monitoring and evaluation purposes.

**Tax Liability:** Your participating municipal electric utility will not be responsible for any tax liability that may be imposed on the customer as a result of the payment of rebates. All customers must supply their Federal Tax Identification number or Social Security number and a completed and signed W-9 form in order to receive a Rebate.

**Endorsement:** Your participating municipal electric utility does not endorse any particular manufacturer, product or system design in promoting this program.

**Limitation of Liability: YOUR MUNICIPAL ELECTRIC UTILITY DOES NOT WARRANT THE PERFORMANCE OF INSTALLED EQUIPMENT, EXPRESSLY OR IMPLICITLY.** Rotational speed differences between premium and EPACT motors can affect savings or performance. Contact your electrical contractor for details regarding equipment performance and warranties.

The liability of your participating municipal electric utility is limited to paying the Rebate specified. The participating municipal electric utility is not liable for any consequential or incidental damages or for any damages in tort connected with or resulting from participation in this rebate program

**Specific Requirements:** Some utilities have specific requirements or conditions regarding issues such as: motors placed in stock, payment options, and rebate restrictions for facilities using self-generation for non-emergency purposes. Please call 1-888-606-9787 for additional details.

**Owner's Certification:** Owner certifies that he/she has purchased and installed the equipment listed above at the defined location. Owner agrees that all information is true and that he/she conformed to all equipment requirements listed. Owner has verified that the motors listed above have been installed correctly.

**ISO-NE Capacity Payments:** By signing this document, and as a condition for receiving a rebate pursuant to this program, Customer hereby assigns to its participating municipal electric utility, whichever the case may be, all of its rights, title and interest in and to any and all LICAP, ICAP, or any and all other capacity-related credits or payments for which Customer may be eligible from ISO-NE or such value associated with the settlement of such LICAP, ICAP, or capacity payments as determined through the ISO-NE LICAP, ICAP, or other such like capacity supply auction or market (or its successors or replacements) for any capacity enrolled with ISO-NE.